



■ 15-1000 SERIES ■ 15-1201 SERIES
■ 15-1200 SERIES ■ 15-1202 SERIES
■ 15-1300 SERIES ■ 15-2401 SERIES
■ 15-2400 SERIES ■ 15-2402 SERIES

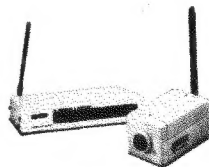
WIRELESS COLOR A/V OBSERVATION SYSTEMS

WIRELESS B/W A/V OBSERVATION SYSTEMS

USER PASSPORT

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■ FEATURE

1. ULTRA HIGH FREQUENCY TRANSMISSION LESSENS INTER FERENCE.
2. 4 CHANNEL OR 8 CHANNEL TRANSMISSION MODULE IS BUILT - IN. OPTION TO SEND SIGNAL BY SET OF CHANNELS.
3. 4 CHANNEL OR 8 CHANNEL RECEIVING MODULE MAY RECEIVE SIGNALS SIMULTANEOUSLY OR INDIVIDUALLY
4. USER CAN INSTALL 1 CAMERA TO START AND EXPAND UP TO 4 OR 8 CAMERA ACCORDING TO USER'S DEMAND. AND FREQUENCY SELECTED
5. RECEIVING MODULE AUTOMATICALLY RECIEVES NEW SIGNALS AS NEW CAMERAS ARE ADDED.
6. RECEIVING MODULE CAN BE ADJUSTED TO MUTE OR CHANGE INTERVALS OF SCANNING.
7. CLEAR AUDIO EFFECT AND STABLE VIDEO DISPLAY.
8. CAN BE CONNECTED TO VCR FOR RECORDING PURPOSES.
9. EASY INSTALLATION AND OPERATION.
10. WIRELESS TRANSMISSION TO SAVE INSTALLATION COST.

■ GENERAL SPECIFICATION

Item No.	15-1000PK	15-1200PK 15-1201PK	15-1300PK	15-2400PK 15-2401PK 15-2402PK
SPEC.				
Frequency (MHZ)	910 980 1010 1040 1070 1100 1130 1160	1080 1120 1160 1200	1240 1280 1320 1360	2413 2432 2451 2470
Output Power (mW)	20-150mW			
Power Supply	CAMERA DC15V/500mA,Receiver DC12V/500mA			
Operating Distance	150M OUTDOORS			
Consumption (mA)	CAMERA: 280mA / Receiver 380 mA			
Resolution	380TV LINES			
Image sensor	1/3" CCD / 290,000 PIXELS			

■ MAJOR APPLICATION :

- MANAGE YOUR HOUSE, FACTORY, AND WAREHOUSE MORE EFFICIENTLY.
- SUPERVISE THE OPERATION OF SUPERMARKETS, CHAIN STORES.....
- MONITOR PUBLIC EQUIPMENT, SUCH AS POWER SUPPLY SYSTEMS, WATER ENERGY SYSTEMS,ETC.
- SUPERVISE DANGEROUS AREAS.
- RE-CONFIRM AND RE-CHECK THE ALARM OF SECURITY SYSTEMS.
- OFFICE MANAGEMENT, TRAFFIC CONTROL, HOME SECURITY MONITORING, ETC.

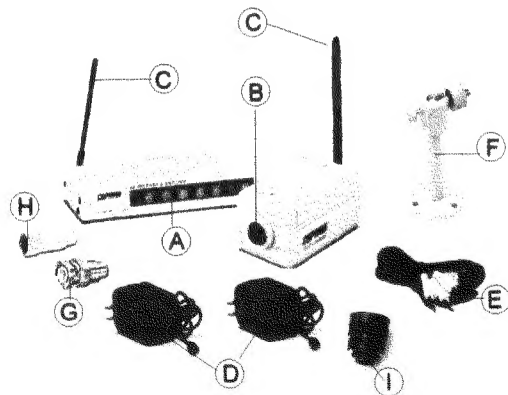
■ STANDARDS PACKAGE :

ONE PACKAGE INCLUDE :

	A	B	C	D	E	F	G	H	I
BT		✓	✓	✓		✓			
CT		✓	✓	✓		✓			✓
SR	✓		✓	✓	✓		✓	✓	
BK	✓	✓	✓	✓	✓	✓	✓	✓	
CK	✓	✓	✓	✓	✓	✓	✓	✓	✓

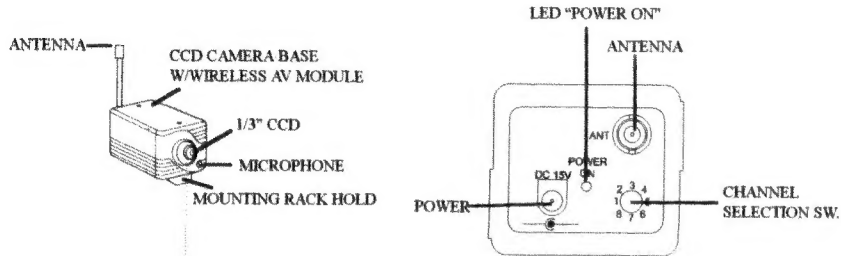
(15-2401,15-2402CT/CK do not include item I)

- | | | | |
|---|----------|---|-----------------|
| A | Receiver | F | Bracket |
| B | Camera | G | BNC/RCA adaptor |
| C | Antenna | H | F/RCA adaptor |
| D | Adaptor | I | C Mount Lens |
| E | AV cable | | |



■ TRANSMITTER UNIT(15-1000BT FOR B/W CCD CAMERA) (15-1000CT FOR COLOR CCD CAMERA) :

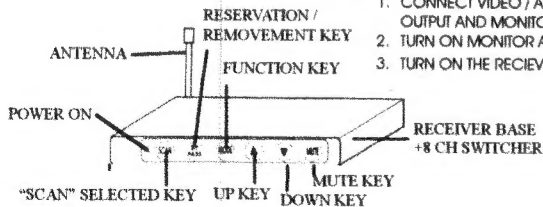
1. FASTEN CAMERA MOUNTING RACK TO THE DESINED LOCATION.
2. FASTEN ANTENNA AND INSENT POWER SUPPLY
3. TRANSMISSION CHANNEL CAN BE CHOSEN BY USER.
4. DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC", "AES" FUNCTION.



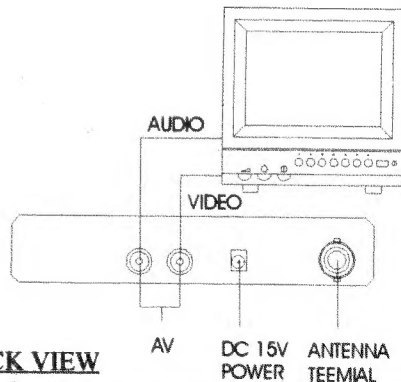
■ RECEIVER UNIT(15-1000SR) :

RECEIVER / MONITOR INSTALLATION PROCEDURE:

1. CONNECT VIDEO / AUDIO CABLE TO RECIEVERS OUTPUT AND MONITOR INPUT
2. TURN ON MONITOR AND SET IT TO AV MODE
3. TURN ON THE RECIEVER AND SET IT TO AV MODE



FRONT VIEW



BACK VIEW

■ OPERATING INSTRUCTION (MODEL 15-1000BK/15-1000CK):

THESE 2 MODELS ARE OPERATED WITH "ON SCREEN CONTROL" INSTEAD OF THE NORMAL CCTV SYSTEM OPERATION VIA THE PANEL.

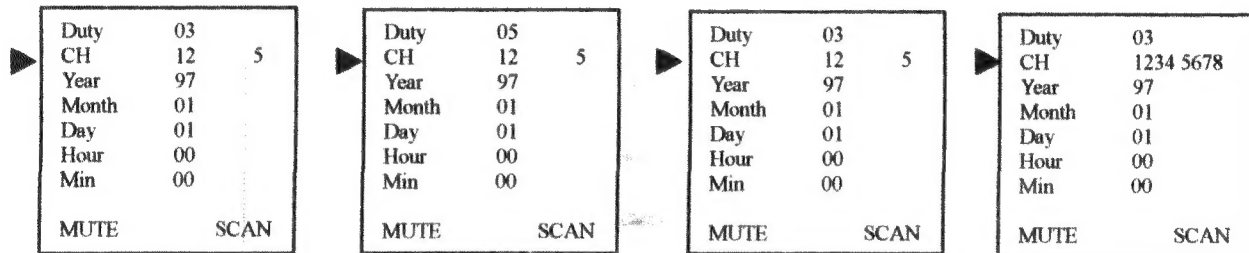
PLEASE SET UP THE FUNCTION BY THE FOLLOWING PROCEDURE:

1. PRESS "MODE" KEY TO DISPLAY
THE FUNCTION SHEET:

2. PRESS "α" OR "τ" KEY TO ADJUST
THE SCAN TIME:

3. PRESS "MODE" TO SET UP THE
CHANNEL(CH):

4. PRESS "α" OR "τ" KEY TO CH
KI PRESS "BY PASS" KEY TO
RESER OR REMOVE THE CH:



** THE PROCEDURE OF SETTING UP THE "YEAR" "MONTH" "DAY" "HOUR" AND "MIN" IS SAME AS ABOVE OPERATION

3. DISPLAY "MUTE" ON THE SCREEN : SILENCE STATUS

NON-DISPLAY "MUTE" ON THE SCREEN : AUDIO STATUS

4. DISPLAY "SCAN" ON THE SCREEN : CHANNELS AUTO SWITCHING ONE BY ONE

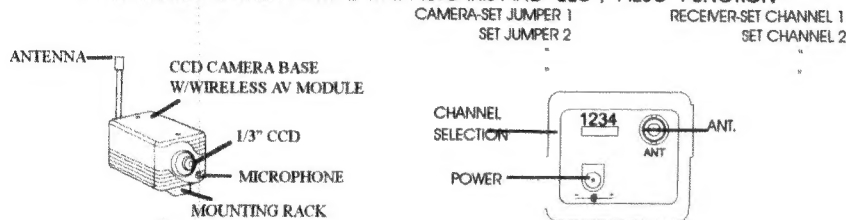
NON-DISPLAY "SCAN" ON THE SCREEN : FIX ONE CHANNEL ON THE SCREEN

Duty	03
CH	1234 5678
Year	97
Month	01
Day	01
Hour	00
Min	00
MUTE	SCAN

■ TRANSMITTER UNIT(15-1200BT/15-1300BT/2400BT/2402BT FOR B/W CCD CAMERA) (15-1200CT/15-1300CT /2400CT/2402CT FOR COLOR CCD CAMERA) :

VIDEO CAMERA WITH ANTENNA INSTALLATION PROCEDURE:

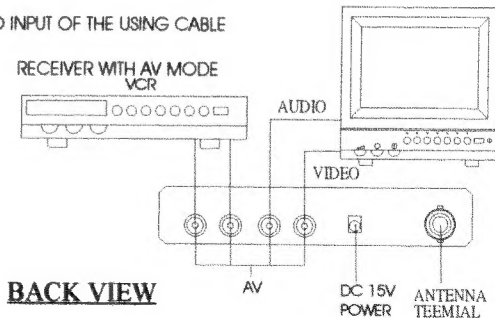
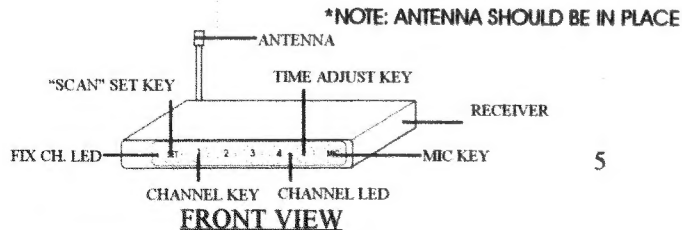
1. FASTEN CAMERA MOUNTING RACK TO THE DESIRED LOCATION
2. FASTEN ANTENNA AND INSERT POWER SUPPLY
3. TRANSMISSION CHANNEL CAN BE CHOSEN BY USERS
4. DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC", "AESC" FUNCTION



■ RECEIVER UNIT (15-1200SR / 1300SR / 2400SR) : Remark : 15-1200SR/1300SR are single AV output

RECEIVER / MONITOR INSTALLATION PROCEDURE:

1. CONNECT AUDIO / VIDEO INPUT OF THE RECEIVER WITH THE AUDIO / VIDEO INPUT OF THE USING CABLE
2. TURN ON MONITOR AND SET IT TO AV MODE
3. POWER ON THE



BACK VIEW

**■ OPERATING INSTRUCTION:(MODEL 15-1200BK / 1201BK/ 15-1300BK / 15-2400BK)
(MODEL 15-1200CK / 1201CK / 15-1300CK / 15-2400CK)**

HIS UNIT IS CONTROLLED BY AN ADVANCED MICRO PROCESSOR AND IS EASILY INSTALLED AS DESCRIBED BELOW:

A. INSTALL ONE CHANNEL:

TRANSMISSION-SET JUMPER 1

RECEIVER-SET CHANNEL 1

B. INSTALL MORE THAN ONE CHANNEL:

(1) INSTALL EACH CAMERA RESPECTIVELY ACCORDING TO THE CAMERA INSTALLATION PROCESS

(2) SET UP THE JUMPER 1,2,3,4 OF CAMERA RESPECTIVELY

(3) POWER ON THE RECEIVER AND THE LED INDICATOR WILL LIGHT UP

PRESS THE "SET" KEY CHANNEL "1" FOR CAMERA 1

PRESS THE "SET" KEY CHANNEL "2" FOR CAMERA 2

C. IF YOU DESIRE TO RECEIVE A PARTICULAR TRANSMISSION CHANNEL FROM A CAMERA, SIMPLY PRESS THE CH1, CH2, CH3, CH4 KEY

D. PRESS "MIC" KEY FOR QUIET TRANSMISSION

*** SUGGESTION:**

PUT THE 4CH CAMERA AT THE NEAREST POSITION AND 1ST CAMERA AT THE FURTHEST POSITION. THIS WILL MINIMIZE INTERFERENCE.

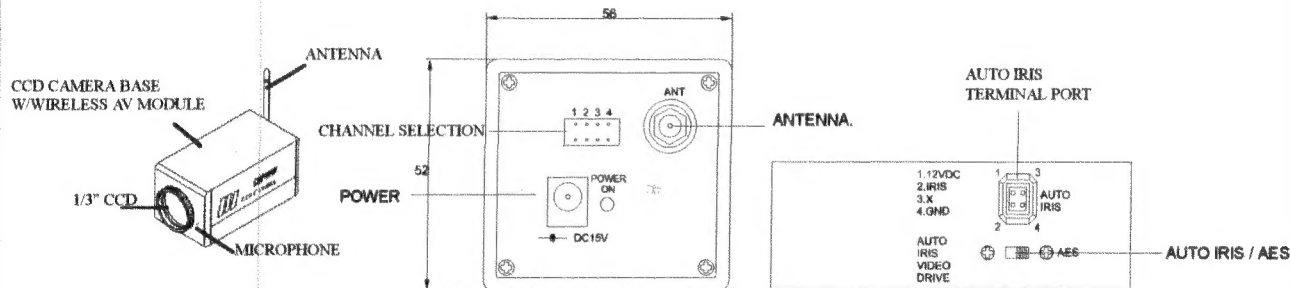
TRANSMITTER UNIT(15-1201BT/15-2401BT FOR B/W CCD CAMERA) **(15-1201CT/15-2401CT FOR COLOR CCD CAMERA) :**

VIDEO CAMERA WITH ANTENNA INSTALLATION PROCEDURE:

1. FASTEN CAMERA MOUNTING RACK TO THE DESIRED LOCATION
2. FASTEN ANTENNA AND INSERT POWER SUPPLY
3. TRANSMISSION CHANNEL CAN BE CHOSEN BY USERS
4. DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC", "AESC" FUNCTION

CAMERA-SET JUMPER 1
SET JUMPER 2

RECEIVER-SET CHANNEL 1
SET CHANNEL 2



* REMARK: IF USING VIDEO DRIVER LENS YOU MUST SELECT AUTO IRIS VIDEO DRIVE ON SILDSWITCH
 IF USING NORMAL LENS, YOU MUST SELECT AES ON SILDE SWITCH.

RECEIVER UNIT (15-1200SR / 2400SR):

SUCH AS PAGE 5 、 6

■ TRANSMITTER UNIT(15-1202BT/15-2402BT FOR B/W CCD CAMERA) (15-1202CT/15-2402CT FOR COLOR CCD CAMERA) :

VIDEO CAMERA WITH ANTENNA INSTALLATION PROCEDURE:

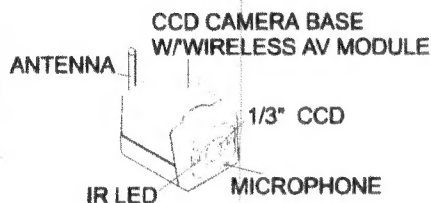
- 1.FASTEN CAMERA MOUNTING RACK TO THE DESIRED LOCATION
- 2.FASTEN ANTENNA AND INSERT POWER SUPPLY
- 3.TRANSMISSION CHANNEL CAN BE CHOSEN BY USERS
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CAMERA-SET JUMPER 1

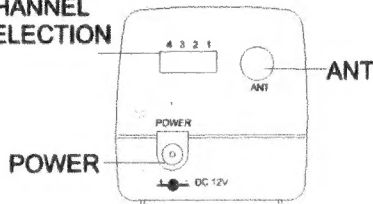
SET JUMPER 2

RECEIVER-SET CHANNEL 1

SET CHANNEL 2



CHANNEL
SELECTION



* REMARK: 1202CT & 2402CT WITHOUT IR LED.

■ RECEIVER UNIT (15-1200SR / 2400SR):

SUCH AS PAGE 5、6

■ SELF DIAGNOSIS AND RESOLUTION:

Symptom	Possible Cause	Resolution
Power Off	Power is not connected	Insert power cord to a socket
Power On, but not operable	Static effect	Unplug power cord and re-plug back in after a few minutes
No Picture, NO Sound	Power is not connected properly	Insert power cord to a socket
	Power is not turned on	Turn on the power key
	Antenna on the receiver is not connected or worn out	Check if the wire is worn or is not connected properly
	Audio / Video wires touch each other	Check if the wire is worn or is not connected properly
Sound great, picture poor	Antenna is not connected properly or wire is worn out	Check if the wire is worn or is not connected properly
	Possibly effected by terrain	Remove antenna from the effected area
Sound poor, picture great	Possibly effected by terrain Volume was set too high	Remove antenna from the effected area
Cannot record Image / Sound	The writeable knob is broken on tape cartridge	Lower the volume change a new tape
	Audio / Video wires touch each other	Check if the wire is worn or is not connected properly
	Pre-set recording function has started	Turn off pre-set function

WARRANTY CARD/CARTED GARANTIE/GARANTIESCHEIN/TARJETA DE GARANTIA

THE PRODUCT IS OFFERED A ONE YEAR PERIOD OF WARRANTY FROM THE PURCHASED DATE. IF THE DEFECT IS FROM THE PRODUCTION PROCESS OR DUE TO THE NORMAL USE AS DESCRIBED IN THE USER MANUAL.

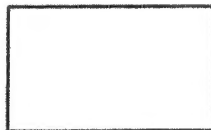
CE PRODUIT EST SOUS LA GARANTIE D'UN AN DES LE JOUR DE VOTRE ACHAT, AU CAS OU L'ENDOMAGEMENT S'ARRIVE LE PROCEDE DE LA PRODUCTION OU SOUS L'UTILISATION NORMALE SUIVANT NOTRE MANUEL D'UTILISATION.

DAS PRODUKT WIRD ANGEBOTEN MIT EINER GARANTIEFRIST VON EINEM JAHR AB VERKAUFSDATUM, WENN DER DEFECT HERRUHRT VOM PRODUKT-HERSTELLUNGSPROZESS ODER AUFTRITT BEI GEWOHNlichem GEBRAUCH WIE IM VERBRAUCHERHANDBUCH BESCHRIEBEN.

ESTA GARANTÍA CUBRE UN PERÍODO DE UN AÑO DESDE LA FECHA DE COMPRA. LOS SERVICIOS DE POST-VENTA SON GRATIS DURANTE ESTE PERÍODO. GARANTIZAMOS QUE EL PRODUCTO, QUE COMPRA UD., SE LIBRA DE CUALQUIER DEFECTO EN MATERIAL Y OPERACION BAJO USO NORMAL COMO DESCRITO EN EL MANUAL DEL USUARIO.

MODEL NO./N° DE MODELE/ MODEL NR.

PURCHASED DATE / JOUR
D'ACHAT / VERKACHATUM /
FECHA DE COMPRA



DISTRIBUTOR/ DISTRIBUTEUR /
VERKAUFER / FIRMA DEL
DISTRIBUIDOR

SERIAL NO./ N° MATRICULE/ SERIEN NR.

PURCHASED DATE/ JOUR D'ACHAT
VERKAUFSDATUM/ FECHA DE COMPRA



NK2-2400

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THE DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND (2) THE DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.



LPD-D



SERVICE DE L'ENERGIE DE L'ETAT
Notified body
Designated under the Low Voltage Directive
to certify conformity with the requirements of the EMC Directive
2004/108/EC

EC-Type Approval Certificate